

CLAIMS

1. A tubing assembly comprising:
 - conductive corrugated tubing including convolutions of peaks and valleys;
 - a conductive polymer jacket disposed along a length of said corrugated tubing.
2. The tubing assembly of claim 1 wherein:
 - said corrugated tubing is annular.
3. The tubing assembly of claim 1 wherein:
 - said corrugated tubing is helical.
4. The tubing assembly of claim 1 wherein:
 - said polymer jacket is a thermoplastic polymer.
5. The tubing assembly of claim 4 wherein:
 - said thermoplastic polymer is a polyether-based polyurethane.
6. The tubing assembly of claim 4 wherein:
 - said thermoplastic polymer is a polyethylene.
7. The tubing assembly of claim 4 wherein:
 - said thermoplastic polymer has a minimum tensile strength of about 4000 psi.

8. The tubing assembly of claim 4 wherein said thermoplastic polymer has a minimum elongation of about 300 %.
9. The tubing assembly of claim 4 wherein:
said thermoplastic polymer has a minimum flexural modulus of about 25,000 psi.
10. The tubing assembly of claim 4 wherein:
said thermoplastic polymer has a maximum volume resistivity of about 7×10^4 ohm-cm.
11. The tubing assembly of claim 1 wherein:
wherein said conductive polymer jacket substantially fills said valleys and substantially covers said peaks.
12. The tubing assembly of claim 1 further comprising:
a fitting coupled to said corrugated tubing at an end thereof.

13. A tubing assembly comprising:

conductive corrugated tubing including convolutions of peaks and valleys;

a conductive thermoplastic polymer jacket disposed along a length of said corrugated tubing, said thermoplastic polymer has a minimum tensile strength of about 4000 psi, a minimum elongation of about 300 %, a minimum flexural modulus of about 25,000 psi and a maximum volume resistivity of about 7×10^4 ohm-cm; and

a fitting coupled to said corrugated tubing at an end thereof.